





The Diversity of Louisiana's Registered Nurse Workforce: Race/Ethnicity and Gender

Cynthia Bienemy, PhD, RN Director, Louisiana Center for Nursing www.lcn.lsbn.state.la.us
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Introduction

The health care challenges facing the nation are dramatically shifting in the 21st century. According to the U.S. Census Bureau, the U.S. population is expected to become majority-minority in 2044 with the minority population rising to 56 percent of the total in 2060, compared to 38 percent in 2014 (U.S. Census Bureau, 2015). Racial and ethnic minorities are disproportionately affected by health disparities, driven to a certain extent by adverse social and environmental conditions and behavioral risk factors, and in part by systematic biases that often result in substandard care. Louisiana continues to rank among the lowest in the nation in terms of health care outcomes and health care quality, and among the highest in per capita health care costs (Munn, 2013). According to America's Health Rankings (2015), Louisiana ranks 50th in terms of the overall health of its population with minorities experiencing a greater percentage of poverty and baring the bulk of health care disparities.

Diversifying the nation's healthcare workforce has been identified as a necessary strategy that is needed to provide culturally relevant care to an increasingly diverse population, increase access to quality healthcare for all populations, reduce health disparities, and achieve health equity (Williams et al., 2014). Evidence suggests that racially, ethnically, and socioeconomically diverse healthcare providers are likely to practice in communities with similar populations, improving healthcare in those communities (HRSA Bureau of Health Professions, 2006; IOM Report on the Future of Nursing, 2011). Changing the demographic composition of the nursing workforce, the largest segment of Louisiana's healthcare workforce, has the potential to foster better interaction and communication with underserved populations, thereby improving quality of care and health care outcomes, which may ultimately lead to a decrease in health care costs (AACN, 2015).

While Louisiana has a diverse mix of residents in terms of race/ethnicity and gender, the registered nurse (RN) workforce is primarily White (81%) and female (89%). Minorities represent 40 percent of the population, yet only 19 percent of licensed registered nurses (RNs) residing in Louisiana are minorities (LSBN Annual Report, 2014), and even fewer (16%) are advanced practice registered nurses (APRNs). Additionally, only 11 percent of Louisiana's nursing workforce are males (LSBN Annual Report, 2014), compared to 49 percent of the state's total population that are males (U.S. Census Bureau, 2015).

The current report represents an analysis of the 2014 Louisiana State Board of Nursing licensure renewal data that describes the diversity of Louisiana's RN workforce in terms of race/ethnicity and gender. The report provides baseline data at both the state and regional level that can be used to establish benchmarks for initiatives for future work aimed at increasing the diversity of Louisiana's RN workforce.

Louisiana's RN Workforce: Race/Ethnicity

Although there has been an increase in the number of RNs in all racial/ethnic categories over the past five years, the percentage of minorities has remained basically unchanged when compared to the overall composition of Louisiana's RN workforce (Table 1).

Table 1. Racial Distribution of Licensed Registered Nurses Residing in LA (2010-2014)

Report	Wh	nite	Black/	African	Hispan	nic/Latino	Asian		America	n Indian	Na	ative	No
Year			Ame	erican					/Alaska	Native	Hawaiian/Pacific		Response
										%	Islander		_
	#	%	#	%	#	%	#	%			#	%	
2014	42,983	81%	8,235	16%	858	2%	691	1%	247	0.5%	73	0.1%	644
2013	42,275	81%	7,920	15%	821	2%	642	1%	224	0.4%	76	0.1%	598
2012	41,483	82%	7,652	15%	757	1%	619	1%	231	0.5%	66	0.1%	801
2011	40,332	82%	7,164	15%	706	1%	549	1%	195	0.4%	44	0.1%	740
2010	39,245	82%	6,768	14%	682	1%	547	1%	195	0.4%	36	0.1%	422
1 & 5	↑2%	10%	↑4%	↑22%	↑5%	∕o↑26%	↑8%	↑26%	↑10%	↑27%	↓4%	↑103%	
Year													
Variance													

Note: Number of Respondents in 2014 = 53,087

According to the July, 2014 U.S. Census Population Projections (2015), minorities represent over forty percent of Louisiana's population, but only nineteen percent of Louisiana's RN workforce (Table 2).

Table 2. RN Workforce and Louisiana Population According to Race/Ethnicity (2014)

	Whi	ite	Black/A Amer		Hispa Lati		Asi	an	Indi	American Indian / Alaska Native		ative raiian/ cific	Two or Rac	
	#	%	#	%	#	%	#	%	#	%		nder %	#	%
RNs	42,983	81.0%	8,235	15.5%	858	1.6%	691	1.3%	247	0.5%	73	0.1%		
LA	2,758,588	59.3%	1,490,741	32.1%	224,867	4.8%	81,061	1.7%	29,373	0.6%	1,909	0.04%	63,137	1.4%
Pop.														

Note: Number of RN Respondents=53,087 (2014 LSBN Annual Report); Total LA Population = 4,649,676 (U. S. Census Bureau Factfinder, June 2015)

The average age for RNs licensed in Louisiana in 2014 was 45 years and the median age was 44 years (LSBN Annual Report, 2015). The average age for RNs nationwide is 50 years (Budden, Zhong, and Moulton & Cimiotti 2013). In Louisiana, Asian and Native Hawaiian/Pacific Islander RNs are the youngest overall with an average age of 42 years (Table 3a). White RNs are the oldest with an average age of 46 years.

Table 3a. Age of the Registered Nurse Workforce According to Race/Ethnicity (2014)

Race/Ethnicity	Average	Median
White	46	45
Black/African American	44	43
Hispanic/Latino	43	41
Asian	42	41
American Indian/Alaska Native	44	43
Native Hawaiian/Pacific Islander	42	41

The largest percentage of RNs within all racial/ethnic groups fall within the 30-39 and 40-49 year age range (Table 3b).

Table 3b. Age of the Registered Nurse Workforce According to Race/Ethnicity (2014)

Age	White	Black/ African American	Hispanic/ Latino	Asian	American Indian/ Alaska Native	Native Hawaiian/ Pacific Islander	Total
<30 Years	5,010	903	119	126	26	9	6,193
	11.7%	11.0%	13.9%	18.2%	10.5%	12.3%	
30-39 Years	10,507	2,383	279	200	72	25	13,466
	24.4%	28.9%	32.5%	28.9%	29.2%	34.3%	
40-49 Years	10,304	2,176	204	184	72	21	12,961
	24.0%	26.4%	23.8%	26.6%	29.2%	28.8%	
50-59 Years	9,931	1,715	167	91	51	10	11,965
	23.1%	20.8%	19.5%	13.2%	20.7%	13.7%	
60-69 Years	6,224	898	76	76	23	8	7,305
	14.5%	10.9%	8.9%	11.0%	9.3%	11.0%	
70-79 Years	941	147	11	14	3	0	1,116
	2.2%	1.8%	1.3%	2.0%	1.2%	0.0%	
80+ Years	66	13	2	0	0	0	81
	0.2%	0.2%	0.2%	0.0%	0.0%	0.0%	
Total	42,983	8,235	858	691	247	73	53,087
	100%	100%	100%	100%	100%	100%	

The majority of all RNs in Louisiana began their nursing careers with an associate or baccalaureate degree in nursing .Over fifty percent of Asian (58.6%) and Black/African American (51.5%) RNs began their nursing careers with a baccalaureate degree in nursing (Table 4).

Table 4. Race/Ethnicity of Registered Nurses Residing in Louisiana According to Basic

Nursing Education (2014)

	White	Black/ African American	Hispanic/ Latino	Asian	American Indian/ Alaska Native	Native Hawaiian/ Pacific Islander	Total
Vocational/	873	287	14	6	7	0	1,187
Practical	2.0%	3.5%	1.6%	0.9%	2.8%	0.0%	2.2%
Diploma in	3,537	417	58	44	5	4	4,065
Nursing	8.2%	5.1%	6.8%	6.4%	2.0%	5.5%	7.7%
Associate Degree	17,768	2,984	392	215	112	33	21,504
In Nursing	41.3%	36.2%	45.7%	31.1%	45.3%	45.2%	40.5%
Bachelors in	19,910	4,241	373	405	116	34	25,079
Nursing	46.3%	51.5%	43.5%	58.6%	47.0%	46.6%	47.2%
Masters in	866	293	20	21	7	2	1,209
Nursing	2.0%	3.6%	2.3%	3.0%	2.8%	2.7%	2.3%
Doctorate -	27	12	1	0	0	0	40
Nursing	0.1%	0.2%	0.1%	0.0%	0.0%	0.0%	0.1%
Other	2	1	0	0	0	0	3
	0.01%	0.01%	0.0%	0.0%	0.0%	0.0%	0.01%
Total	42,983 100%	8,235 100%	858 100%	691 100%	247 100%	73 100%	53,087 100%

As seen in Table 5, the highest percentage of RNs with a baccalaureate degree in nursing according to race/ethnicity are Asian RNs (54.3%).

Table 5. Race/Ethnicity of Registered Nurses Residing in Louisiana According to Highest Degree (2014)

Degree (2014)	White	Black/	Hispanic/	Asian	American	Native	Total
		African	Latino		Indian/	Hawaiian/	
		American			Alaska	Pacific	
					Native	Islander	
Diploma in	2,395	194	37	33	3	1	2663
Nursing	5.6%	2.4%	4.3%	4.8%	1.2%	1.4%	5.0%
Associate Degree	14,141	2,295	287	137	94	24	16,978
In Nursing	32.9%	27.9%	33.5%	19.8%	38.1%	32.9%	32.0%
Bachelors in	17,793	3,741	346	375	110	32	22,397
Nursing	41.4%	45.4%	40.3%	54.3%	44.5%	43.8%	42.2%
Masters in	4,381	1,094	75	58	20	2	5,630
Nursing	10.2%	13.3%	8.7%	8.4%	8.1%	2.7%	10.6%
PhD	55	33	4	1	1	0	94
in Nursing	0.1%	0.4%	0.5%	0.1%	0.4%	0.0%	0.2%
DNP	123	42	2	3	1	0	171
	0.3%	0.5%	0.2%	0.4	0.4%	0.0%	0.3%
Doc. In Nursing	48	15	0	3	0	1	67
(i.e., DNS)	0.1%	0.2%	0.0%	0.4	0.0%	1.4%	0.1%
Doc.	186	41	5	3	2	0	237
Related Field	0.4%	0.5%	0.6%	0.4	0.8%	0.0%	0.5%
Non-Nursing	3,861	780	102	78	16	13	4,850
Degrees	9.0%	9.5%	11.9%	11.3%	6.5%	17.8%	9.1%
Total	42,983	8,235	858	691	247	73	53,087
	100%	100%	100%	100%	100%	100%	100%

Table 6 shows that within racial/ethnic groups in Louisiana, the greatest percentage of RNs with a BSN or higher degree are Asian RNs (64%) followed by Black/African American RNs (60%). Approximately 54 percent of the entire RN workforce, licensed and residing in Louisiana in 2014, had a BSN or higher degree in nursing.

Table 6. RN Workforce with a BSN or Higher Degree in Nursing According to Race/Ethnicity (2014)

	White	Black/ African American	Hispanic/ Latino	Asian	American Indian/ Alaska Native	Native Hawaiian/ Pacific Islander	All RNs in LA with a BSN or Higher
% BSN or Higher	22,586	4,966	432	443	134	35	28,596
	52.6%	60.3%	50.4%	64.1%	54.3%	48.0%	53.9%
Total	42,983	8,235	858	691	247	73	53,087

Of the 569 licensed RNs in Louisiana with a doctorate degree, the greatest percentage of White, Hispanic/Latino, and American Indian/Alaska Native RNs have doctorates in disciplines outside of nursing (Table 7).

Table 7. Types of Doctorates held by Licensed RNs Residing in Louisiana According to Race/Ethnicity (2014)

Ethnicity (2011)	PhD in	n Nursing		torate in	I	ONP		DNS
			Oth	er Field				
	#	%	#	%	#	%	#	%
White	55	13.3%	186	45.1%	123	29.9%	48	11.7%
(n=412)								
Black/African	33	25.2%	41	31.3%	42	32.1%	15	11.5%
American								
(n=131)								
Hispanic/Latino	4	36.4%	5	45.5%	2	18.2%	0	0.0%
(n=11)								
Asian	1	10.0%	3	30.0%	3	30.0%	3	30.0%
(n=10)								
American	1	25.0%	2	50.0%	1	25.0%	0	0.0%
Indian/Alaska								
Native								
(n=4)								
Native	0	0.0%	0	0.0%	0	0.0%	1	100.0%
Hawaiian/Pacific								
Islander								
(n=1)								
Total	94		237		171		67	
N=569								

Of the 4,219 licensed RNs in Louisiana that were enrolled in school in 2014, 68.6 percent were White; 26.6 percent Black/African American; 2.5 percent Hispanic/Latino; 1.6 percent Asian; 0.7 percent American Indian / Alaska Native; and 0.1 percent Native Hawaiian/ Other Pacific Islander (Table 8). White RNs represented the largest percentage of RNs enrolled in BSN, MSN, DNP, DNS/DNSc, and Doctorate in a related field programs, whereas Black/African American RNs were the largest percentage of RNs enrolled in PhD in Nursing programs.

Table 8. Enrollment in Post-RN Programs According to Race/Ethnicity (2014)

	BSN	MSN	PhD	DNP	DNS/DNSc	Doctorate/	Non-	Total
						Non-	Nursing	2 3 3 3 3
						nursing	Post	
						g	Graduate	
White	1,017	1,311	29	256	12	61	207	2,893
	67.1%	71.7%	42.7%	64.3%	60.0%	65.6%	69.7%	68.6%
Black/African	411	443	38	114	6	27	82	1,121
American	27.1%	24.2%	55.9%	28.6%	30.0%	29.0%	27.6%	26.6%
Hispanic/Latino	50	30	0	20	1	0	4	105
	3.3%	1.6%	0.0%	5.0%	5.0%	0.0%	1.4%	2.5%
Asian	30	28	0	6	1	1	0	66
	2.0%	1.5%	0.0%	1.5%	5.0%	1.1%	0.0%	1.6%
American	5	14	1	2	0	3	4	29
Indian/Alaska	0.3%	0.8%	1.5%	0.5%	0.0%	3.2%	1.4%	0.7%
Native								
Native	2	2	0	0	0	1	0	5
Hawaiian/Pacific	0.1%	0.1%	0.0%	0.0%	0.0%	1.1%	0.0%	0.1%
Islander								
Total	1,515	1,828	68	398	20	93	297	4,219
	100%	100%	100%	100%	100%	100%	100%	100%

In 2014, minorities held approximately 15 percent of nurse executive and 18 percent of nurse manager positions in the state (Table 9).

Table 9. Types of Positions Held by Licensed Registered Nurses Residing in Louisiana (2014)

	Staff Nurse	Nurse Executive	Nurse Manager	Advanced Practice	Faculty	Consultant	Other Health Related	Other Non- Health Related
White	26,673	1,025	4,491	3,441	1,018	740	3,115	2,320
	79.5%	84.9%	82.3%	84.6%	73.4%	85.2%	81.5%	91.3%
Black/	5,526	157	832	513	328	111	596	152
African	16.5%	13.0%	15.2%	12.6%	23.7%	12.8%	15.6%	6.0%
American								
Hispanic/	607	14	62	53	21	10	48	37
Latino	1.8%	1.2%	1.1%	1.3%	1.5%	1.2%	1.3%	1.5%
Asian	539	3	34	39	17	3	34	19
	1.6%	0.3%	0.6%	1.0%	1.2%	0.4%	0.9%	0.8%
American	149	5	35	17	3	4	22	12
Indian/	0.4%	0.4%	0.6%	0.4%	0.2%	0.5%	0.6%	0.5%
Alaska								
Native								
Native	53	3	6	3	0	1	5	1
Hawaiian/	0.2%	0.3%	0.1%	0.1%	0.0%	0.1%	0.1%	0.04
Pacific								
Islander								
Total	33,547	1,207	5,460	4,066	1,387	869	3,820	2,541
	100%	100%	100%	100%	100%	100%	100%	100%

Note: Researcher – 183; Quality – 1; Discharge – 1; Utilization Review – 1

Number of Respondents=53,083.

Minority RNs represent approximately 25 percent of the RNs that work in education, 27 percent of the RNs working in long term care, 19 percent in hospitals, and 7 percent working in physician offices (Table 10).

Table 10. Place of Employment According to Race/Ethnicity of Licensed Registered Nurses Residing in Louisiana (2014)

	Hospital	Amb. Care/ Clinic	Home Health/ Hospice	Long Term Care	Physician Office	Nursing Education
White	24,226	4,128	2,962	1,208	1,254	855
	80.6%	81.5%	84.2%	72.7%	92.8%	74.8%
Black/	4,553	781	500	401	72	257
African	15.2%	15.4%	14.2%	24.1%	5.3%	22.5%
American						
Hispanic/	568	76	25	17	12	20
Latino	1.9%	1.5%	0.7%	1.0%	0.9%	1.8%
Asian	516	50	12	24	9	6
	1.7%	1.0%	0.3%	1.4%	0.7%	0.5%
American	136	25	18	10	4	5
Indian/	0.5%	0.5%	0.5%	0.6%	0.3%	0.4%
Alaska						
Native						
Native	60	3	3	1	0	0
Hawaiian/	0.2%	0.1%	0.1%	0.1%	0.0%	0.0%
Pacific						
Islander						
Total	30,059	5,063	3,520	1,661	1,351	1,143
	100%	100%	100%	100%	100%	100%

In terms of actual numbers, the largest number of RNs in each racial/ethnic group were employed by hospitals (Table 11).

Table 11. Percentage of RN Workforce by Race/Ethnicity Working in Hospitals

	White	Black/ African American	Hispanic/ Latino	Asian	American Indian/ Alaska Native	Native Hawaiian/ Pacific Islander
Hospitals	24,226	4,553	568	516	136	60
	56.4%	55.3%	66.2%	74.7%	55.1%	82.2%
Total	42,983	8,235	858	691	247	73
	100%	100%	100%	100%	100%	100%

N=30,059

Clinical settings in which the largest percentage of minority RNs practiced were psychiatric mental health, medical/surgical, adult health/family, and geriatrics (Table 12).

Table 12. Type of Clinical Settings According to Race/Ethnicity (2014)

	Med	Acute	OR /	ER	Adult	Ped/	Home	Maternal	Psych	Geriatrics
	Surg	Care/	PACU		Health /	Neo-	Health	Child	Mental	
		ICU			Family	natal		Health	Health	
White	5,144	4,530	3,331	3,044	2,189	2,261	2,098	2,013	1,557	1,480
	70.4%	82.5%	89.6%	86.9%	76.3%	87.4%	83.2%	85.98%	70.5%	76.4%
Black/	1,788	672	281	323	585	249	381	262	593	405
African	24.5%	12.2%	7.6%	9.2%	20.4%	9.6%	15.1%	11.2%	26.9%	20.9%
American										
Hispanic/	145	134	55	65	40	49	23	31	20	22
Latino	2.0%	2.4%	1.5%	1.9%	1.4%	1.9%	0.9%	1.3%	0.9%	1.1%
Asian	178	109	32	46	39	19	9	23	25	22
	2.4%	2.0%	1.0%	1.3%	1.4%	0.7%	0.4%	1.0%	1.1%	1.1%
American	35	29	15	21	16	8	8	13	12	9
Indian/	0.5%	0.5%	0.4%	0.6%	0.6%	0.3%	0.3%	0.6%	0.5%	0.5%
Alaska										
Native										
Native	16	17	2	4	2	2	2	2	1	0
Hawaiian/	0.2%	0.3%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%
Pacific										
Islander										
TOTAL	7,306	5,491	3,716	3,503	2,871	2,588	2,521	2,344	2,208	1,938
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

The largest number of RNs within all racial/ethnic groups made between \$50,001 and \$75,000 a year in 2014(Table 13).

Table 13. Salaries of RNs Within Racial/Ethnic Groups Working Full-Time

	White	Black/ African	Hispanic/ Latino	Asian	American Indian/	Native Hawaiian/	Total
		American			Alaska Native	Pacific Islander	
\$35,001 to \$50,000	6,168	1,224	161	130	33	12	7,728
	20.6%	18.9%	25.8%	26.0%	18.0%	21.8%	20.5%
\$50,001 to \$75,000	13,959	3,350	278	230	92	21	17,930
	46.7%	51.7%	44.6%	45.9%	50.0%	38.2%	47.5%
\$75,001 to \$100,000	6,086	1,410	115	89	43	15	7,740
	20.3%	21.7%	18.5%	17.8%	23.4%	27.3%	20.5%
\$100,001 to \$150,000	2,015	288	33	20	9	3	2,368
	6.7%	4.4%	5.3%	4.0%	4.9%	5.5%	6.3%
>\$150,000	631	42	8	2	2	1	686
	2.1%	0.6%	1.3%	0.4%	1.1%	1.8%	1.8%
Declined	1,085	172	28	30	5	3	1,323
	3.6%	2.7%	4.5%	6.0%	2.7%	5.5%	3.5%
Total RNs	29,926	6,486	623	501	184	55	37,775

Note: Number of Respondents = 37,775

The vast majority of RNs within all racial/ethnic groups, ranging from eighty-six percent of Asian RNs to seventy-eight percent of White RNs, reported working in positions in which they provided direct patient care (Table 14).

Table 14. Race/Ethnicity of RN Workforce Residing in Louisiana According to Direct

Patient Care (2014)

	White	Black/ African American	Hispanic/ Latino	Asian	American Indian/ Alaska Native	Native Hawaiian/ Pacific Islander
Yes	33,588	6,926	709	597	204	61
	78.2%	84.1%	82.6%	86.4%	82.6%	83.6%
No	5,106	896	80	44	23	10
	11.9%	10.9%	9.3%	6.4%	9.3%	13.7%
N/A	4,278	412	69	50	20	2
	10.0%	5.0%	8.0%	7.2%	8.1%	2.7%
Total	42,972	8,234	858	691	247	73
	100%	100%	100%	100%	100%	100%

Note: N/A refers to retired/unemployed/not working.

Louisiana's RN Workforce: Gender

The gender distribution for RNs licensed and residing in Louisiana has remained unchanged over the past five years with eighty-nine percent of the workforce represented by females (Table 15).

Table 15. Gender Distribution of Licensed Registered Nurses Residing in LA (2010-2014)

Report Year	Male		Female	
	#	%	#	%
2014	6,054	11%	47,677	89%
2013	5,900	11%	46,656	89%
2012	5,754	11%	45,855	89%
2011	5,596	11%	44,546	89%
2010	5,393	11%	42,905	89%
1 & 5 Year Variance	↑3%	↑12%	↑2%	↑11%

Note: Number of Respondents=53,731

According to Table 16, Louisiana's RN workforce does not mirror its population of forty-nine percent male and fifty-one percent female.

Table 16. RN Workforce and Louisiana Population by Gender (2014)

	Male		Female	
	#	%	#	%
RN	6,054	11%	47,677	89%
LA Population	2,273,939	49%	2,375,737	51%

Note: Number of RN Respondents=53,731; Total LA Population = 4,649,676

There is variation in the percentage of males and females within the RN workforce according to race/ethnicity, ranging from 16 percent of the Native Hawaiian/Pacific Islander RN workforce that are males to five percent of the Black/African American workforce represented by males (Table 17).

Table 17. RN Workforce According to Gender and Race/Ethnicity (2014)

		Male	Fe	emale	Total
White	5,302	12.3%	37,681	87.7%	42,983
Black/African American	445	5.4%	7,790	94.6%	8,235
Hispanic/Latino	127	14.8%	731	85.2%	858
Asian	68	9.9%	623	90.2%	691
American Indian/Alaska	37	15.0%	210	85.0%	247
Native					
Native Hawaiian/Pacific	12	16.4%	61	83.6%	73
Islander					
Total	5,991		47,096		53,087

There was very little difference in the average age of Louisiana's RN workforce based on gender (Table 18). Male RNs (44 years) were slightly younger than female RNs (45 years).

Table 18. Age of Nursing Workforce According to Gender (2014)

	Average	Median
Male $(n = 6054)$	44	43
Female (n = 47,677)	45	45

Asian male RNs represented the youngest (38 years) sector of Louisiana's RN workforce, followed by Native Hawaiian/Pacific Islander males (40years). Hispanic/Latino RNs were the youngest among the female RN population (Table 19). White female RNs were the oldest with an average age of 46 years.

Table 19. Average Age of Nursing Workforce According to Gender and Race/Ethnicity (2014)

	Male			Female
White	44	(n = 5,302)	46	(n=37,681)
Black/African American	41	(n=445)	44	(n=7,790)
Hispanic/Latino	43	(n=127)	42	(n=731)
Asian	38	(n=68)	43	(n=623)
American Indian/Alaska	45	(n=37)	44	(n=210)
Native				
Native Hawaiian/Pacific	40	(n=12)	43	(n=61)
Islander				
Total		5,991		47,096

The majority of male and female RNs licensed and residing in Louisiana began their nursing career with an associate or baccalaureate degree in nursing (Table 20). A larger percentage of female RNs began their nursing careers as diploma nurses (8%) and vocational nurses (2%) when compared to male RNs (4% and 1%, respectively).

Table 20. Gender of RN Workforce Residing in Louisiana According to Basic Nursing

Education (2014)

	N	Iale	Fe	male	Total RNs
Vocational/	75	1.3%	1,112	2.4%	1,187
Practical					
Diploma in	237	4.0%	3,829	8.1%	4,066
Nursing					
Associate Degree	2,562	42.8%	18,942	40.2%	21,504
In Nursing					
Bachelors in Nursing	2,900	48.4%	22,179	47.1%	25,079
Masters in Nursing	215	3.6%	994	2.1%	1,209
Doctorate - Nursing	2	0.03%	38	0.1%	40
Other	0	0.0%	3	0.01%	3
Total	5,991	100%	47,097	100%	53,088

A larger percentage of female RNs possess a baccalaureate degree when compared to male RNs in Louisiana (Table 21). In contrast, a larger percentage of male RNs have a Masters in Nursing degree when compared to female RNs licensed and residing in Louisiana.

Table 21. Gender of RN Workforce Residing in Louisiana According to Highest Degree

(2014)

-1)	I	Male	Fei	male	Total
Diploma in	133	2.2%	2,530	5.4%	2,663
Nursing					
Associate Degree	1,739	29.0%	15,239	32.4%	16,978
In Nursing					
Bachelors in Nursing	2,344	39.1%	20,053	42.6%	22,397
Masters in Nursing	868	14.5%	4,763	10.1%	5,631
PhD in Nursing	3	0.1%	91	0.2%	94
DNP	28	0.5%	143	0.3%	171
Doc. in Nursing	5	0.1%	62	0.1%	67
(i.e., DNS)					
Doc. Related Field	26	0.4%	211	0.5%	237
Non-Nursing Degrees	845	14.1%	4,005	8.5%	4,850
Total	5,991	100%	47,097	100%	53,088

Male RNs in Louisiana had the largest percentage of doctorates in nursing practice (DNPs) and the smallest percentage of PhDs in Nursing when compared to their female counterparts (Table 22).

Table 22. Types of Doctorates held by Licensed RNs Residing in Louisiana According to Gender (2014)

	PhD in	Nursing		torate in er Field		DNP		DNS
Male (n=62)	3	4.8%	26	41.9%	28	45.2%	5	8.1%
Female (n=507)	91	18.0%	211	41.6%	143	28.2%	62	12.2%
Total N=569	94		237		171		67	

There was very little difference in the percentage of male and female RNs with a BSN or higher degree in nursing in Louisiana in 2014 (Table 23).

Table 23. RN Workforce with a BSN or Higher Degree in Nursing According to Gender (2014)

	Male	Female	All RNs in LA with a BSN or Higher Degree
% BSN or Higher	3,274	25,323	28,597
	54.7%	53.8%	53.9%
Total	5,991	47,097	53,088

Of the 4,219 licensed RNs in Louisiana that reported being enrolled in school in 2014, the vast majority were females (85%). Of the males that were enrolled in school, the largest number were enrolled in Masters in Nursing programs followed by BSN programs (Table 24). Approximately 23percent of the males that were enrolled in school were enrolled in a non-nursing doctorate program and 21 percent were enrolled in a DNP program.

Table 24. Enrollment in Post-RN Programs According to Gender (2014)

	BSN	MSN	PhD	DNP	DNS/DNSc	Doctorate/	Non-	Total
						Other Field	Nursing	
							Post	
							Graduate	
Male	189	290	4	82	2	21	60	648
	12.5%	15.9%	5.9%	20.6%	10.0%	22.6%	20.2%	15.4%
Female	1,326	1,538	64	316	18	72	237	3,571
	87.5%	84.1%	94.1%	79.4%	90.0%	77.4%	79.8%	84.6%
Total	1,515	1,828	68	398	20	93	297	4,219
	100%	100%	100%	100%	100%	100%	100%	100%

Female RNs licensed and residing in Louisiana represent the overwhelming majority of licensed RNs in each of the positions listed in Table 25. It is interesting to note that 24 percent of advanced practice registered nurses (APRNs) were male.

Table 25. Types of Positions Held by Licensed Registered Nurses Residing in Louisiana

According to Gender (2014)

	Staff Nurse	Nurse Executive	Nurse Manager	Advanced Practice	Faculty	Consultant	Other Health Related	Other Non- Health Related
Male	3,557	183	589	978	84	67	359	165
	10.6%	15.2%	10.8%	24.1%	6.1%	7.7%	10.4%	6.5%
Female	29,990	1,022	4,871	3,088	1,303	802	3,461	2,376
	89.4%	84.8%	89.2%	76.0%	93.9%	92.3%	90.6%	93.5%
Total	33,547	1,205	5,460	4,066	1,387	869	3,820	2,541
	100%	100%	100%	100%	100%	100%	100%	100%

Note: Researcher – 183; Quality – 1; Discharge – 1; Utilization Review – 1;

Number of Respondents=53,083.

The majority of RNs working in the healthcare industries listed in Table 26 are female. The healthcare industry having the largest percentage of male RNs employed were hospitals.

Table 26. Place of Employment According to Gender of Licensed Registered Nurses

Residing in Louisiana (2014)

	Hospital	Amb. Care/ Clinic	Home Health/ Hospice	Long Term Care	Physician Office	Nursing Education
Male	4,231	373	232	105	93	78
	14.1%	7.4%	6.6%	6.3%	6.9%	6.8%
Female	25,828	4,690	3,288	1,556	1,258	1,065
	85.9%	92.6%	93.4%	93.7%	93.1%	93.2%
Total	30,059	5,063	3,520	1,661	1,351	1,143
	100%	100%	100%	100%	100%	100%

According to Table 27, the largest percentage of male RNs licensed and residing in Louisiana can be found working in the emergency room or acute care intensive care units.

Table 27. Type of Clinical Settings According to Gender (2014)

	Med Surg	Acute Care/ ICU	OR / PACU	ER / Trauma	Adult Health / Family	Ped/ Neo- natal	Home Health	Maternal Child Health	Psych Mental Health	Geriatrics
Male	656	1,058	426	854	279	76	172	5	346	109
	9.0%	19.3%	11.5%	24.4%	9.7%	2.9%	6.8%	0.2%	15.7%	5.6%
Female	6,650	4,433	3,290	2,649	2,592	2,512	2,349	2,339	1,862	1,830
	91.0%	80.7%	88.5%	75.6%	90.3%	97.1%	93.2%	99.8%	84.3%	94.4%
TOTAL	7,306	5,491	3,716	3,503	2,871	2,588	2,521	2,344	2,208	1,939
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

According to Table 28, the percentage of male RNs earning annual incomes between \$75,001 and greater than \$150,000 (45%) exceeded that of female RNs (26%) substantially.

Table 28. Salaries of RNs Residing in LA Working Full-Time According to Gender 2014

	Male	Female	Total
\$25,001 to \$50,000	541	7,187	7,728
\$35,001 to \$50,000	10.8%	21.9%	20.5%
\$50,001 to \$75,000	1,894	16,036	17,930
\$30,001 to \$73,000	37.8%	48.9%	47.5%
\$75,001 to \$100,000	1,281	6,459	7,740
\$75,001 to \$100,000	25.6%	19.7%	20.5%
\$100,001 to \$150,000	625	1,743	2,368
\$100,001 to \$130,000	12.5%	5.3%	6.3%
>\$150,000	368	318	686
~\$130,000	7.3%	1.0%	1.8%
Declined	302	1,021	1,323
Decimed	6.0%	3.1%	3.5%
Total RNs	5,011	32,764	37,775

Note: Number of Respondents = 37,775

Although the vast majority of all RNs, both male and female, worked in positions in which they provided direct patient care, a larger percentage of male RNs reported providing direct patient care when compared to female RNs (Table 29).

Table 29. Gender of RN Workforce Residing in Louisiana According to Direct Patient Care (2014)

	N	Tale	Fe	male	Total		
Yes	4,773	4,773 93.2%		88.0%	34,861	88.7%	
No	344	344 6.7%		4,095 12.0%		11.3%	
N/A	2	0.04%	17	0.1%	19	0.1%	
Total	5,119	5,119		34,200			

Note: N/A refers to retired/unemployed/not working.

Louisiana RN Workforce by Race/Ethnicity, Gender, and Regional Labor Market Area (RLMA) 2014

Regional Labor Market Areas (RLMAs) are economically integrated areas in which individuals can live and find employment within a reasonable distance or can feasibly change jobs without changing their place of residence (LWC, 2011). Occupational projections for all occupations are reported by the Louisiana Workforce Commission (LWC) according to the eight RLMAs in Louisiana. A map depicting Louisiana's sixty-four parishes included within the eight RLMAs can be found in the Appendix. The population size for the eight RLMAs according to race/ethnicity and the number of RNs working in the region according to race/ethnicity are depicted in Tables 30 through 37. The gender distribution for the regional population and the RN workforce employed in the eight RLMA is depicted in Tables 38 through 45. State population statistics were taken from the U.S. Census Bureau, Population Division (2015). The information gained from the following tables may be used to identify racial/ethnic and gender gaps between the RN workforce and the population served at the regional level.

Table 30. New Orleans RLMA 1 – RN and Regional Population by Race/Ethnicity

RLMA 1	Total	White	Black/	Hispanic/	Asian	American	Native	Two
			African	Latino		Indian/	Hawaiian/	or More
			American			Alaska	Pacific	
						Native	Islander	
Pop.	1,251,849	656,286	431,817	106,194	35,720	4,584	531	16,717
%	100%	52.4%	34.5%	8.5%	2.9%	0.4%	0.04%	1.3%
RN	13,786	10,400	2,612	436	260	53	25	
%	100%	75.4%	18.9%	3.2%	1.9%	0.4%	0.2%	

Table 31. Baton Rouge RLMA 2 - RN and Regional Population by Race/Ethnicity

	Tubio o Iv Buton Itougo Italia I I I i i una Itograma I opunation of Italia (I I I I I I I I I I I I I I I I I I I										
RLMA 2	Total	White	Black/	Hispanic/	Asian	American	Native	Two			
			African	Latino		Indian/	Hawaiian/	or More			
			American			Alaska	Pacific				
						Native	Islander				
Pop.	998,813	583,444	346,225	36,784	18,284	2,698	254	11,124			
%	100%	58.4%	34.7%	3.7%	1.8%	0.3%	0.03%	1.1%			
RN	9,389	7,475	1,644	106	119	32	13				
%	100%	79.6%	17.5%	1.1%	1.3%	0.3%	0.1%				

Table 32. Houma RLMA 3 – RN and Regional Population by Race/Ethnicity

	o Houma I		iti i tilita it	8	paration	by ruce, r		
RLMA 3	Total	White	Black/	Hispanic/	Asian	American	Native	Two
			African	Latino		Indian/	Hawaiian/	or More
			American			Alaska	Pacific	
						Native	Islander	
Pop.	234,382	166,966	41,264	10,632	2,160	8,962	148	4,250
%	100%	71.2%	17.6%	4.5%	0.9%	3.8%	0.06%	1.8%
RN	1,801	1,654	103	13	9	20	2	
%	100%	91.8%	5.7%	0.7%	0.5%	1.1%	0.1%	

Table 33. Lafayette RLMA 4 – RN and Regional Population by Race/Ethnicity

RLMA 4	Total	White	Black/	Hispanic/	Asian	American	Native	Two
			African	Latino		Indian/	Hawaiian/	or More
			American			Alaska	Pacific	
						Native	Islander	
Pop.	655,545	429,294	181,151	23,895	9,642	2,958	154	8,451
%	100%	65.5%	27.6%	3.6%	1.5%	0.5%	0.02%	1.3%
RN	5,570	4,708	735	58	51	13	5	
%	100%	84.5%	13.2%	1.0%	0.9%	0.2%	0.09%	

Table 34. Lake Charles RLMA 5 – RN and Regional Population by Race/Ethnicity

Tubic C.	Tuble of the Eure Charles REPARTS THE AND REGIONAL TO PUBLICATION BY TRACE PERMITTER											
RLMA 5	Total	White	Black/	Hispanic/	Asian	American	Native	Two				
			African	Latino		Indian/	Hawaiian/	or More				
			American			Alaska	Pacific					
						Native	Islander					
Pop.	297,271	212,577	65,516	8,855	3,094	2,111	124	4,994				
%	100%	71.5%	22.0%	3.0%	1.0%	0.7%	0.04%	1.7%				
RN	2,582	2,224	303	21	23	7	4					
%	100%	86.1%	11.7%	0.8%	0.9%	0.3%	0.2%					

Table 35. Alexandria RLMA 6 – RN and Regional Population by Race/Ethnicity

RLMA 6	Total	White	Black/	Hispanic/	Asian	American	Native	Two	
			African	Latino		Indian/	Hawaiian/	or More	
			American			Alaska	Pacific		
						Native	Islander		
Pop.	308,348	202,289	82,754	11,583	3,371	2,776	256	5,319	
%	100%	65.6%	26.8%	3.8%	1.1%	0.9%	0.08%	1.7%	
RN	3,264	2,858	309	27	39	27	4		
%	100%	87.6%	9.5%	0.8%	1.2%	0.8%	0.1%		

Table 36. Shreveport RLMA 7 – RN and Regional Population by Race/Ethnicity

RLMA 7	Total	White	Black/	Hispanic/	Asian	American	Native	Two
			African	Latino		Indian/	Hawaiian/	or More
			American			Alaska	Pacific	
						Native	Islander	
Pop.	595,090	325,438	228,698	20,161	6,811	4,478	355	9,149
%	100%	54.7%	38.4%	3.4%	1.1%	0.8%	0.06%	1.5%
RN	6,443	5,050	1,189	64	76	52	12	
%	100%	78.4%	18.5%	1.0%	1.2%	0.8%	0.2%	

Table 37. Monroe RLMA 8 – RN and Regional Population by Race/Ethnicity

RLMA 8	Total	White	Black/	Hispanic/	Asian	American	Native	Two
			African	Latino		Indian/	Hawaiian/	or More
			American			Alaska	Pacific	
						Native	Islander	
Pop.	308,378	182,294	113,316	6,763	1,979	806	87	3,133
%	100%	59.1%	36.7%	2.2%	0.6%	0.3%	0.03%	1.0%
RN	2,866	2,419	399	11	31	4	2	
%	100%	84.4%	13.9%	0.4%	1.1%	0.1%	0.07%	

RN Workforce According to RLMA and Gender

Table 38. New Orleans RLMA 1 – RN Workforce and Population by Gender

RLMA 1	Total	Male	Female
Pop.	1,251,849	605,760	646,089
%	100%	48.4%	51.6%
RN	13,798	1,409	12,389
%	100%	10.2%	89.8%

Table 39. Baton Rouge RLMA 2 – RN Workforce and Population by Gender

RLMA 2	Total	Male	Female
Pop.	998,813	488,954	509,859
%	100%	49.0%	51.0%
RN	9,397	958	8,439
%	100%	10.2%	89.8%

Table 40. Houma RLMA 3 - RN Workforce and Population by Gender

RLMA 3	Total	Male	Female
Pop.	234,382	115,625	118,757
%	100%	49.3%	50.7%
RN	1,801	260	1,541
%	100%	14.4%	85.6%

Table 41. Lafayette RLMA 4 - RN Workforce and Population by Gender

RLMA 4	Total	Male	Female
Pop.	655,545	320,703	334,842
%	100%	48.9%	51.1%
RN	5,573	792	4,781
%	100%	14.2%	85.8%

Table 42. Lake Charles RLMA 5 – RN Workforce and Population by Gender

RLMA 5	Total	Male	Female
Pop.	297,271	148,093	149,178
%	100%	49.8%	50.2%
RN	2,584	356	2,228
%	100%	13.8%	86.2%

Table 43. Alexandria RLMA 6 – RN Workforce and Population by Gender

RLMA 6	Total	Male	Female
Pop.	308,348	156,061	152,287
%	100%	50.6%	49.4%
RN	3,266	420	2,846
%	100%	12.9%	87.1%

Table 44. Shreveport RLMA 7 - RN Workforce and Population by Gender

RLMA 7	Total	Male	Female
Pop.	595,090	288,606	306,484
%	100%	48.5%	51.5%
NP	6,444	786	5,658
%	100%	12.2%	87.8%

Table 45. Monroe RLMA 8 - RN Workforce and Population by Gender

RLMA 8	Total	Male	Female
Pop.	308,378	150,137	158,241
%	100%	48.6%	51.4%
RN	2,868	323	2,545
%	100%	11.3%	88.7%

Conclusions and Recommendations

Based on the most current data relative to Louisiana's RN workforce, although the numbers and percentages of racial/ethnic minority and male nurses have generally increased over the years, minority and male representation in the nursing workforce still is not representative of Louisiana's population, both at the state and regional level. Recommendations cited in the recently released report by the National Academies of Sciences, Engineering, and Medicine entitled Assessing Progress on the Institute of Medicine Report – The Future of Nursing (December, 2015), addressed the need for states to focus their population and demographic needs by determining baseline data regarding the state's population and workforce. It is only with this type of available data that a choice of focus, direction, and strategies can be implemented to increase the diversity of the nursing workforce. The strategies that will be utilized to increase the diversity of the nursing workforce should be data based, data driven, and evidence-based with specific outcomes identified. Findings from the current report gives Louisiana the baseline data that is needed to begin this process. Stakeholder groups such as the Louisiana Action Coalition, the Louisiana State Board of Nursing, the Department of Health and Hospitals, the Louisiana State Nurses Association, the Nursing Supply and Demand Council, AARP LA, the Louisiana Hospital Association, the Louisiana Association of Nurse Practitioners, the Louisiana Association of Nurse Anesthetists, legislators, community leaders, minority nursing organizations, and faith-based organizations, to name a few, must now come together, in a committed fashion, to not only identify strategies to increase the diversity of the nursing workforce, but to also identify and provide resources that will be needed to implement and monitor the effectiveness of our efforts.

To be successful, efforts to improve the diversity of the nursing workforce must focus on each step along the professional pathway, from recruitment to educational programs, to retention and success within educational programs, to graduation and job placement, to retention and advancement within one's nursing career. Increasing the diversity of the overall nursing workforce is a slow process, yet the pipeline can change more rapidly and will respond more quickly to efforts to increase diversity; the pipeline represents the future workforce. Changing the makeup of the pipeline depends on increasing the diversity among those who apply to, are accepted to, enroll in, and graduate from nursing degree programs (National Academies of Sciences, Engineering, and Medicine Report - Assessing Progress on the Institute of Medicine Report - The Future of Nursing, December, 2015).

For those minority and male RNs that are currently in the workforce, it will be important to provide opportunities for educational advancement (i.e., BSN, Masters, Doctorate), to prepare them for advanced practice roles, faculty roles, and leadership roles where they will be in a

position to impact not only the provision of healthcare, and nursing education, but also contribute to the formulation of health policy at the state and national level.

The road to a diverse RN workforce that mirrors Louisiana's population will not be a fast-paced road and will probably have some bumps along the way, but the road trip will bring many people together with a common goal, which is to improve the healthcare outcomes for all of Louisiana's citizens.

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Appendix

Regional Labor Market Areas in Louisiana



Louisiana's Eight Regional Labor Market Areas

- **Region 1** Jefferson, Orleans, Plaquemines, St. Bernard, St. Charles, St. James, St. John the Baptist and St. Tammany Parishes
- Region 2 Ascension, East Baton Rouge, East Feliciana, Iberville, Livingston, Pointe Coupee, St. Helena, Tangipahoa, Washington, West Baton Rouge and West Feliciana Parishes
- **Region 3** Assumption, Lafourche and Terrebonne Parishes
- Region 4 Acadia, Evangeline, Iberia, Lafayette, St. Landry, St. Martin, St. Mary and Vermilion Parishes
- **Region 5** Allen, Beauregard, Calcasieu, Cameron and Jefferson Davis Parishes
- Region 6 Avoyelles, Catahoula, Concordia, Grant, LaSalle, Rapides, Vernon and Winn Parishes
- Region 7 Bienville, Bossier, Caddo, Claiborne, DeSoto, Lincoln, Natchitoches, Red River, Sabine and Webster Parishes
- **Region 8:** Caldwell, East Carroll, Franklin, Jackson, Madison, Morehouse, Quachita, Richland, Tensas, Union and West Carroll Parishes